

MOZNAIM, Ye., inzh.

Chemistry on the stage. Nauka i zhizn' 28 no.8:68 Ag '61.

(Theaters--Stage setting and scenery)

MOZNIKER, Riva Abramovna; NEYSHTADT, Isaak Feliksovich; UDAL'TSOV,  
A.N., glav. red.; BRYANTSEVA, V.P., inzh., red.; STAYEV,  
K.P., kand. tekhn.mauk, red.

[Lodading-cycle counter. Three-component device for measuring cutting-force constituents up to 10 ton] Schetchik tsiklov nagruzheniya. Trekhkomponentnyi pribor dlja izmerenija sostavliaushchikh sil rezaniia do 10 t. Moskva, In-t tekhniko-ekon.informatsii, 1956. 13 p. (Pribory i stendy. Tema 2.  
No.P-56-462) (MIRA 16:3)  
(Electronic instruments)

MOZNIKOV, RINA Abramovna, VASIL'CHENKO, Z.N., inzh.red.; DAYCHIK, M.I., inzh.red.;  
POHOMAREV, V.A., tekhn.red.

[Frequency and amplitude meter] Izmeritel' chastoty i amplitudy.  
Moskva, Filial Vses. in-ta nauchnoi i tekhn. inform., 1956. 14 p.  
(Pribory i stendy, Tema 1, no.P-56-439) (KRA 11:8)  
(Electronic instruments)

MOZNIKOV, R.A. (Kiev)

Frequency and amplitude measuring instrument. Prykl.mekh.2 no.3:  
345-346 '56. (Electric instruments) (MLRA 9:10)

24 (3), 16 (1)

SOV/21-59-8-8/26

AUTHOR: Mozniker, R. A.

TITLE: Effect of a Uniform Magnetic Field on the Natural Vibrations of Mechanical Systems

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 8,  
pp 847 - 852 (USSR)

ABSTRACT: In this article, the author examines the effect of the uniform magnetic field on natural vibrations of mechanical systems as well as the effect of the changeable field on the forced resonance and out of resonance vibrations of mechanical systems. For studying the effect of the uniform magnetic field, natural vibrations of a semigirder in the magnetic field of one and two electromagnets were examined (Fig. 1). It has been stated that in vibration conditions and as the consequence of a periodical change of the working clearance, the force  $P_M$  of the interaction of the girder and the electromagnets equals

$$P_M = 4KI_0^2 \frac{Sy}{(S^2 - y^2)^2}, \quad (1)$$

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Effect of a Uniform Magnetic Field on the Natural Vibrations of Mechanical Systems

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whereas it usually equals 0 when A girder is in a motionless stage. In the above formula,  $I_0$  means current of electromagnets; S - initial dimension of the working clearance; K - uniform coefficient for the given magnets and the beam. Further, it has been stated that an additional elastic impelling coupling [Ref. 3] is imposed on the vibrating mechanical system by the magnetic field. The reaction direction in this coupling is in contrast to usual elastic couplings always coinciling with the direction of the displacement. In consequence of the reaction of this coupling, a decrease of the frequency of natural vibrations takes place, the vibrations themselves become non-linear at considerable amplitudes. Simple and convenient formulae for determining the coefficient of rigidity of these couplings were obtained. The results derived can also be applied for investigating the vibrations of mechanical systems in an electrostatic field since the force of interaction of this field and of the object is determinated by the same dependences as in the case of magnetic fields. The presence of

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the marked dependence of natural vibration frequencies of mechanical systems upon the magnetic field can be used for a smooth regulation of the operation frequencies of various vibration equipment and partly of vibration tables. An almost complete coincidence of the theoretical and experimental results proves a sufficient accuracy of the suggested method for studying the effect of a magnetic field on mechanical vibrations.

There are 4 figures, 3 graphs, 1 set of diagrams, 1 diagram, and four Soviet references

ASSOCIATION: Institut stroitel'noy mekhaniki AN USSR (Institute of Construction Mechanics of the AS of UkrSSR)

PRESENTED: By F. P. Byelyankin / Member, AS UkrSSR  
(F.P.Byelyankin),

SUBMITTED: April 7, 1959

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SOV/21-59-10-5/26

AUTHOR: Mozniker, R.A.

TITLE: Forced Vibrations of Mechanical Systems in a Field  
of Electromagnetic Exciters

PERIODICAL: Dopovidi Akademiyi nauk Ukrayins'koyi, RSR, 1959,  
Nr 10, pp 1064-1070 (USSR)

ABSTRACT: The article covers the results of an investigation conducted in the Mekhanichna laboratoriya (Mechanical Laboratory) of the Institut budivel'noyi mekhaniki AN URSR (Construction Mechanics Institute of the AS UkrSSR), during 1958, in order to study the effect of the field of electromagnetic exciters for a wide frequency range. The investigations were carried out under the supervision of V.H. Chudnovskyy, Professor and Doctor of Technical Sciences. Following conclusions have been made: In consequence of the effect of the field of magnetic exciters, the summary coefficient of rigidity  $C_s$  of the vibrating system is lower than the usual rigidity coefficient  $C$  of its elastic connection. The linear me-

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Forced Vibrations of Mechanical Systems in a Field of Electromagnetic  
Exciters

chanical systems perform non-linear vibrations i. the magnetic field. The difference between the values of which takes into account the effect of the magnetic field and the C, is, like the non-linearity, considerably bigger during ante-resonance vibrations than during the resonance ones. In case of action of one electromagnet, beside the non-linearity, the assymetry of the curve of change of the displacement in time also arises. The resonance method with electromagnetic exciters is only then expedient when the dynamic coefficient of the vibrating system  $\lambda > 30$ . In connection with the additional effect of the magnetic field, the definition of elasticity E and G based on the measuring of the frequency of its own vibrations, as well as the dispersion of energy and the coefficient of the internal toughness of the material along the width of the resonance curve should not be considered as sufficiently accurate. Theoretical

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SOV/21-59-10-5/26

Forced Vibrations of Mechanical Systems in a Field of Electromagnetic  
Exciters

chanical systems perform non-linear vibrations i. the magnetic field. The difference between the values  $C_1$  which takes into account the effect of the magnetic field, and the  $C_2$ , is, like the non-linearity, considerably bigger during ante-resonance vibrations than during the resonance ones. In case of action of one electromagnet, beside the non-linearity, the assymetry of the curve of change of the displacement in time also arises. The resonance method with electromagnetic exciters is only then expedient, when the dynamic coefficient of the vibrating system  $\lambda > 30$ . In connection with the additional effect of the magnetic field, the definition of elasticity  $E$  and  $G$  based on the measuring of the frequency of its own vibrations, as well as the dispersion of energy and the coefficient of the internal toughness of the material along the width of the resonance curve should not be considered as sufficiently accurate. Theoretical

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SOV/21-59-10-5/26

Forced Vibrations of Mechanical Systems in a Field of Electromagnetic Exciters

computations were found to be in agreement with the experimental results. There is one set of graphs, 3 individual graphs, and 4 Soviet references.

ASSOCIATION: Instytut budivel'noyi mekhaniky AN UkrSSR (Construction Mechanics Institute of the AS UkrSSR).

PRESENTED: By F.P. Byelyankin, Member of the AS UkrSSR

SUBMITTED: April 7, 1959

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MOZNIKER, R. A., Cand Tech Sci -- (diss) "Vibration testing of installations with electromagnetic oscillators." Kiev, 1960. 16 pp with charts; (Academy of Sciences Ukrainian SSR, Inst of Mechanics); 150 copies; price not given; bibliography on pp 15-16; (KL, 17-60, 157)

PHASE I BOOK EXPLOITATION

SOV/5864

Mozniker, Riva Abramovna

Doslidzhennya vibratsiynykh vyprobuval'nykh ustanovok z elektromagnitnymy  
zbridnykamy (Study of Vibration-Testing Units With Electromagnetic Exciters).  
Kyyiv, Wyd-vo AN UkrSSR, 1960. 174 p. 1000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrayins'koyi RSR. Instytut mekhaniki.

Ed. of Publishing House: N. M. Labinova; Tech. Ed.: N. P. Rakhiina.

PURPOSE: This book is intended for scientific workers and engineers interested  
with designing and operating vibration-testing machines.

COVERAGE: The book, published in Ukrainian, examines the operation of vibration-  
testing machines with electromagnetic exciters of vibration. On the basis of  
theoretical investigations of various vibration conditions of mechanical  
systems placed in the field of electromagnetic exciters, the most useful design  
types are determined. The effects of a constant magnetic field on free vibration  
of mechanical systems at insignificant and high amplitudes, of a variable

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## Study of Vibration-Testing Units (Cont.)

S: T/ 496.4

magnetic field on resonant and subresonant vibrations of mechanical systems, and of a magnetic field on vibration at a wide frequency range are discussed. The program, methods, and results of research, and the experimental results used are described. Attention is given to the dynamic balancing of a system. In the table, machines and devices used are reviewed. M. F. Klyuyev, Candidate of Technical Sciences, and V. G. Chudnovskiy, Doctor of Technical Sciences, Professor, are mentioned. The investigations were completed in 1948. There are 58 references: 49 Soviet (1 translation), 2 English, 3 German, and 1 unidentified.

## TABLE OF CONTENTS:

## Review of

- Ch. I. Free Vibration of Mechanical Systems Located in a Constant Magnetic Field
  - I. Effect of the magnetic field of two electromagnets on the free vibration of mechanical systems at insignificant vibration amplitudes
  - II. Effect of the magnetic field of two electromagnets on the free vibration of mechanical systems at vibration amplitudes made equal to the size of air clearance

Card 2/6

BELYANKIN, Fedor Pavlovich, akademik; MALASHENKO, Sergey Vasil'yevich, doktor tekhn. nauk; KHOTYANITSEV, Nikolay Pavlovich, starshiy nauchnyy sotr.; MOZNIKER, Riva Abramovna, vedushchiy inzh.; RADZIYEVSKIY, Vadim Antonovich, vedushchiy inzh.; VASILEVSKAYA, Zoya Ivanovna, vedushchiy inzh.; DRAYGOR, D.A., doktor tekhn. nauk, otv. red.; KISINA, I.V., red. izd-va; LIBERMAN, T.R., tekhn. red.

[The R-50 universal vibratory testing unit] Universal'naia vibratsionnaia ispytatel'naia ustanova R-50. Kiev, Izd-vo Akad. nauk USSR, 1961. 114 p. (MIRA 15:2)

1. Akademiya nauk USSR (for Belyankin).  
(Testing machines)

MARSHALL A.H

7  
S/122/E1/000/001/015/015  
A161/A130

AUTHOR: None given

TITLE: Authors' abstracts of dissertations

PERIODICAL: Vestnik mashinostroyeniya, no. 1, 1961, 86 - 87

TEXT: Brief abstract of eleven dissertations are published, the two first for the degree of Doctor of Technical Sciences, and nine for the degree of Candidate of Technical Sciences. 1) N. M. Karel'm, of the Moscow's stankoinstrumental'nyy institut imeni I. V. Stalina (Moscow Institute of Machine Tools and Instruments im. I. B. Stalin): "Machining parts with curved cross section without the use of tracers". The author has developed a method for plotting kinematic system diagrams for machine tool attachments for machining round parts with the outline traced by epicycloids and hypocycloids or their equidistants. 2) B. A. Morozov, Moskovskoye Vyshsheye tekhnicheskoye uchiliще imeni N. E. Baumana (Moscow School of Higher Technical Education imeni N. E. Baumana): "Study of the work capacity of machines and equipment of metallurgical plant shops", concerning design improvement. The author has developed a method for comprehensive evaluation of the work capacity of machines. It permits the selection of Card 1/4

Authors' abstracts of dissertations . . .

8/12/61/000/001/015/015  
A161/A130

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optimum designs and determining the engineering calculation data in a short time. 3) Yu. Z. Selyukov of the Moscow Institute of Machine Tools and Instruments imeni Stalin: "Investigation of the vibration resistance of a shaping machine". The author has conducted experiments and given recommendations. 4) M. B. Palay, of the Moscow Institute of Machine Tools and Instruments im. Stalin: "Investigation of the milling machine drive". The work concerns gear and belt drive for a milling machine spindle and presents the results of theoretical and experimental studies of the rotation unbalance, and a calculation method for the structural inertia moment. The specific features of the belt drive are analyzed. 5) Lu Ch'ao-tsang, of the Moscow Institute of Machine Tools and Instruments im. Stalin: "Study of the adhesion and friction phenomena between flat steel surfaces (gage blocks)". The author studied the adhesion and friction forces between Johanson gage blocks in function of the oil film depth, roughness and oil properties; determined the real oil film depth after rubbing-in, the effect of load, the adhesive capacity variation with wear, and investigated the phenomenon of oil separation from inside metal (gage blocks). 6) D. D. Shevchenko of Institut mekhaniki AN USSR (Institute of Mechanics AS UkrSSR): "A study of the contact of a rough surface in the process of pressing into plastic medium". The work concerns the ap-

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Authors' abstracts of dissertations

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S/122/61/000/001/015/015  
A61/A130

process of a hard rough surface to a smooth surface of plastic medium under pressure. 7) B. N. Bobrynin of Gor'kovskiy politekhnicheskiy institut imeni A. A. Zhdanova (Gor'kiy Polytechnic Institut imeni A. A. Zhdanov): "Study of the stamping trimming-punching process in laminar and fibrous sheet plastics". The study concerns mainly the technology of process without heating. Recommendations are given for the fabrication of parts of different types. 8) R. A. Moshnikov of the Institute of Mechanics AS UkrSSR: "Vibration test installations with electromagnetic excitors", concerning the rational use of such units, their peculiarities in different operation conditions. 9) Yeh Mu-ts'en of the Moscow Institute of Machine Tools and Instruments im. Stalin: "Experimental and theoretical study of the strength of broaches taking into account the concentration of internal stresses". A new method is suggested for the calculation of stress concentration. 10) Wang Ch'ih-hao of the Moscow Institute of Machine Tools and Instruments im. Stalin: "Investigation of chatter in gear cutting machine". Chatter in milling straight-tooth gears is investigated, and a theoretical and empirical comparison of different milling methods is presented. The effect of the design of machine elements on chatter is analyzed. 11) Wang Ts'en-ta of the Moscow Institute of Machine Tools and Instruments im. Stalin: "A study of the motion stability of

Card 3/4

Authors' abstracts of dissertation

S/1.1/61/000/001/015/015  
A16 A130

7

work elements of hydraulically driven machine tools". The work presents a theoretical analysis and experimental data.

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MONY, L.

Information on Tesla miniature electron tubes. Pt. 2. (Supplement) p.Phil  
SLAOPPOCITV OBZOR, Vol. 15, no. 5, May 1954, Prague.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6 June 1956 Uncl.

MCANY, Lubor

Magnesium oxide salt esterified. Same as above, except that 169-164.

- #### 1. Research Institute of Chemical Process Engineering

GONCHAROV, N., mayor; MOZNYAKOV, N., mayor; KHANDOV, G., starshiy leytenant;  
YAKOVLEV, A., Leytenant

An important and inspiring subject. Komm.Vooruzh.sil 2 no.7:80-83  
Ap '62.  
(MIRA 15:3)

1. Chleny vneshtatnogo soveta po politicheskim zanyatiyam pri otdele  
propagandy zhurnala "Kommunist Vooruzhennykh sil."  
(Russia--Armed forces--Political activity)

4. SEMINAR IN MEDICAL Sec.2 Vol.13/11 Physiol. Biochem. Nov 57  
MOZOCHOV F.A.

4803. MOZOCHOV F.A. Jaroslaw. "Hypertension produced by narrowing of the portal vein (Russian text) ARKH. PATOL. 1956, 13, 7 (54-58) Graphs 3
- Experiments were carried out in 7 adult dogs. After exteriorizing the right carotid artery, thus creating the possibility of accurate determination of the blood pressure, the experiment followed a few months afterwards; the portal artery was exposed by laparotomy and its lumen narrowed (ligature) by approximately 60%; 30 min. postoperatively, the blood pressure was raised to 197-300 mm.Hg. On the next day, it was decreased by 20-30 mm.Hg, but then rose again gradually to the postoperative level. The duration of this experimental hypertension depends on the nervous disposition of the experimental dog (in aggressive animals the hypertension lasts longer). The hypertension is presumed to be due to a reflex mechanism. Hypertension should, therefore, not be attributed to renal ischaemia alone, but also to circulatory disturbances of other organs.
- Brandt - Berlin (V.2.18)

MOZOGOVA, K.K.

Mbr., Lab. Of Intermediate Products and Dyes, Inst Organic Chem. Acad, Sci., -1947-

c49-: Mbr., Phys. Inst. im. P.N Lebedev. Acad, Scil, -c1949-.

"<sup>1</sup>he Synthesis of 4-Chloro-and 4- Bromo-l-amino-anthroquinone and Their Derivatives by Sandmeyer's Reaction," Zhur. Obshch Khim., 19, No. 4, 1949. "Influence of Molecular Structure of the Molecule 9,10-Diaryldiaminoanthracene on Optical Properties," Iz. Ak. Nauk, SSSR, Ser. Fiz., 13, No. 1, 1949.

MOZOK, G.I. [Mozok, Г.И.]

Use of the method of differences in solving a class of problems  
of mathematical physics. Dop. AN UkrSSR no.12:1570-1573 '63.  
(ДІА 17:9)

i. Kiievskiy gosudarstvennyy universitet. Predstavleno chленом  
AN UkrSSR I.Z. Shtet al.

ACCESSION NR: AP4009732

S/0021/63/000/012/1570/1573

AUTHOR: Mozok, G. M.

TITLE: Solution of one class of problems of mathematical physics by the method of nets

SOURCE: AN UkrRSR. Dopovidi, no. 12, 1963, 1570-1573

TOPIC TAGS: boundary value, mixed problem, boundary condition, convergence, net

ABSTRACT: This work establishes the convergence and stability of algorithms to carry over boundary conditions from the boundary of a given region to a net boundary for regions bounded by a piecewise smooth curve with at least one axis of symmetry (solution of the mixed problem and Neumann's problem for the Poisson equation). The error of the real approximate solution is estimated. Orig. art. has: 16 formulas, 1 figure.

ASSOCIATION: Kyivskyy derzhavnyy universytet (Kiev State University)

SUBMITTED: 30Dec62

DATE ACQ: 03Feb64

ENCL: 00

*CONFIDENTIAL*

MOZOK, V. M.; YUZVENKO, Yu. A.; SHEKHTER, S. Ya.

Mechanized hard facing of coke-grinder rollers. Avtom. svar. 16  
no. 3:62-64 Mr '63. (MIRA 16:4)

1. Institut elektrosvarki imeni Ye. O. Patona AM UkrSSSR  
(for Mozok, Yuzvenko). 2. Kommunarskiy metallurgicheskiy  
zavod (for Shekter).

(Hard facing) (Crushing machinery)

MOZOKHIN, N. G. - VASSERMAN, G.Y.

Automobiles

Light automobile GAZ-69 with improved adaptability to difficult terrain.  
Avt. trakt. prom. no. 1, 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

PROZOROV, D. V.

LIPGART, A.A.; MOZOKHIN, N.G.; YUSHMANOV, N.A.; VASSERMAN, G.M.; CHAMOV,  
A.N., ~~inzhener~~, redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor;  
TIKHOEVOV, A.Ya., tekhnicheskiy redaktor

[ZIM automobile; description of its design and maintenance]

Avtomobil' ZIM; opisanie konstruktsii i ukhod. Moskva, Gos.  
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 327 p.

(Automobiles)

(MLRA 8:3)

ZISLIN, S.G.; MOZOKHIN, N.G.; PELYUSHENKO, O.I.; CHERNOMASHENTSEV, A.I.;  
YAKUBOVICH, I.Ye.; BORISOV, N.I., glavnnyy konstruktor, otvetstvennyy  
redaktor; PONOMARENKO, A.D., redaktor; ZAKHAROV, K.A., tekhnicheskiy  
redaktor

[GAZ-69 and GAZ-69A automobiles; a description of their construction,  
adjustment, and maintenance] Avtomobili GAZ-69 i GAZ-69A; opisanie  
konstruktsii, regulirovka i ukhod. Gor'kii, Gor'kovskoe knizhnoe  
izd-vo, 1956. 317 p. (MIRA 10:2)

1. Avtozavod, im. Molotova (for Borisov)  
(Automobiles)

ZISLIN, S.G.; MOZOKHIN, N.G.; PELYUSHENKO, O.I.; SOLOV'YEV, V.S.; CHERNO-MASHENTSOV, A.I.; YAKUBOVICH, I.Ye.; BORISOV, N.I., red.; KNYAZEV, V.V., red.; BRULIKOVSKAYA, R.G., tekhn.red.

[The GAZ-69, GAZ-69A, and M-72 high-roadability automobiles; construction and operation] Avtomobili vysokoi prokhodimosti GAZ-69, GAZ-69A i M-72; ustroistvo i eksploatatsiya. Pod red. N.I.Borisova. Gor'kii, Gor'kovskoe knizhnoe izd-vo, 1959. 363 p.

(MIRA 13:5)

1. Glavnnyy inzhener Gor'kovskogo avtozavoda (for Borisov).  
(Automobiles)

MOZOKHIN, N.G.; SYRKIN, P.E.

Engine of the GAZ-13 "Chaika" automobile. Avt.prom. no.1:  
4-8 Ja '60. (MIRA 13:5)

1. Gor'kovskiy avtozavod.  
(Automobiles--Engines)

MOZOKHIN, N.G.; SYRKIN, P.E.

Engine of the GAZ-66 motortruck. Avt. prom. 30 no.7:3-5 Jl '64.  
(MIRA 17:9)  
1. Gor'kovskiy avtozavod.

MOZOKHINA-PORSHNYAKOVA, N. N.

USSR/Biology - Microbiology, Rubber

Mar/Apr 52

"Growth of Bacteria on Natural Rubber," V. N. Shaposhnikov, I. L. Rabotnova, G. A. Yarmola, V. M. Kuznetsova, N. N. Mozokhina-Porshnyakova, Biol Soil Sci Res Inst, Moscow State U imeni M. V. Lomonosov

"Mikrobiol" Vol XXI, No 2, pp 146-154

Found that rubber hydrocarbon may be consumed by the following microorganisms: Bac. subtilis, Achr. agile, Mycococcus ruber, Mycobact. globiforme, Mycobact, lacticola, Act. albus, and the yeast Torula rosea.

210F10

## EXCERPTA MEDICA Sec 18 Vol. 1/11 Cardiologia. Ed. Nov 57

3299. MOZOKHOV F. A. Jaroslav *Hypertension produced by narrowing of the portal vein (Russian text)* Arkh. Patol. 1956, 18/7 (54-58) Graphs 3

Experiments were carried out in 7 adult dogs. After exteriorizing the right carotid artery, thus creating the possibility of accurate determination of the blood pressure, the experiment followed a few months afterwards: the portal artery was exposed by laparotomy and its lumen narrowed (ligature) by approximately 60%; 30 min. postoperatively, the blood pressure was raised to 197-300 mm. Hg. On the next day, it was decreased by 20-30 mm. Hg, but then rose again gradually to the postoperative level. The duration of this experimental hypertension depends on the nervous disposition of the experimental dog (in aggressive animals, the hypertension lasts longer). The hypertension is presumed to be due to a reflex mechanism. Hypertension should, therefore, not be attributed to renal ischaemia alone, but also to circulatory disturbances of other organs.

Brandt - Berlin (V, 2, 18)

MOCOLINKO, I. V.

Fishing

Innovations of new fishing techniques, Fish. Comm. L., Nov. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

KROPOTOV, V.A., inzh.; PARSHIN, V.A., inzh.; MOZOLEV, A.V., inzh.; KHRAMTSOV, V.F., inzh.

Causes for the caving of intercompartment pillars and ceiling. Bezop. truda v prom. 7 no.7:8-10 Jl '63. (MIRA 16:9)

1. VostNIGRI.

(Temir-Tau—Iron mines and mining)

MOZOLEVSKAYA, Ye.G.

Sanitary state and biological stability of forest stands in the Khoper  
Preserve. Trudy Khop. gos. zap. no.4:31-46 '61. (Mikh...  
(Khoper Preserve--Trees--Diseases and pests)

VORONTSOV, A.I.; GUR'YANOVA, T.M.; MOZOLEVSKAYA, Ye.G.

Survey of injurious forest insects in the Khoper Preserve. Trudy Khop.  
gos. zap. no.4:47-74 '61. (MIRA 16:3)  
(Khoper Preserve—Forest insects)

MOZOLEVSKAYA, Ye.G.; VAVAK, Z.

The complex of insects feeding on leaves in the floodplain stands of the  
Khoper Preserve. Trudy Khop. gos. zap. no.4:75-92 '61. (MIRA 16:3)  
(Khoper Preserve—Forest insects)

DENISKIN, B.I.; MOZOLEVSKIY, A.V.

Cutting centers must be created. Avtom. svar. 16 no.6:89 Je '63.  
(MIRA 16:7)

1. Primorskiy sovet narodnogo khozyaystva.  
(Gas welding and cutting)

BITTEL-DOBRZINSKA, N.; BOJ, E.; MADEJ, B.; MOZOLEWSKA, E.

Differential diagnosis of Letterer-Siwe disease from Hand-Schuller-Christian disease. Pediat. polska 29 no.9:904-909 Sept 54.

1. Z I. Kliniki Chorob Dziecięcych Akademii Medycznej w Gdańsku.  
Kierownik: prof. dr med. H.Brokman. Z Zakładu Anatomii Patologicznej  
Akademii Medycznej w Gdańsku. Kierownik: prof. dr med. W.Łzarnocki.  
Z Zakładu Radiologii Akademii Medycznej w Gdańsku. Kierownik: prof.  
dr med. W.Grabowski.

(RETICULOHENDOTHELIOSIS,

Letterer-Siwe dis., differ. diag. from Hand-Schuller-  
Christian dis.)

(LIPOIDOSIS,

Hand-Schuller-Christian dis., differ. diag. from  
Letterer-Siwe dis.)

CELINSKA, W.; KAMINSKA, M.; MOZOLEWSKA, E.; SWICOWA, K.; SZCZUROWNA, M.

The problem of antrotomy in infant nutrition disorders. Pediat.  
pol. 36 no.5:521-526 '61.

1. Z I Kliniki Chorob Dzieci A.M. w Gdansku Kierownik: prof. dr  
med. K.Erecinski i z Kliniki Otolaryngologicznej AM w Gdansku  
Kierownik: prof. dr med. I.Iwaszkiewicz.  
(INFANT NUTRITION DISORDERS surg) (OTITIS MEDIA surg)

MOZCLEWSKI E. and ZEBROWSKI S. Klin. Chorob. Gardla Nosa i Uszu Akad. med. w  
Gdansku. Przypadek promienicy przestrzeni przygardlowej z objawami zaburzen  
osrodkowego układu nerwowego A case of actinomycosis of the peripharyngeal region  
with nervus symptonis Otolaryng. polska 1951, 5/3 (232-239) Illus. 1

The patient showed trismus, exophthalmos of the right eye and paralysis of the left  
oculomotor nerve. The CSF showed an inflammatory reaction. On the 10th week of the  
disease a tumor was found at the right side of the nasopharynx. The clinical signs  
pointed to actinomycosis and this was confirmed bacteriologically from the pus of  
an abscess on the right tonsil. The case was treated with penicillin, iodine and  
X-rays with complete success. No relapse had occurred 1½ years later.

Bogdanowicz - Warsaw (XX, 11, 2)

So: Excerpta Medica, Section VIII Vo. 5. No. 2

MOZOLEWSKI E.

Monspia Medicae Soc 16 Cancer Vol. 2/5 May 56

2507. MOZOLEWSKI E. Klin. Chor. Gardla, Nosy i Uchu, Akad. med., Gdańsk. W sprawie przejawów raka kostek szaczk. Giant cell tumours of the jaws Otolaryngologia polka 1955, 7/8 (127-132) Illus. 6

Report on a case in a 6-month-old child. The author regards X-ray treatment as dangerous. In the case described, surgical treatment was used, sparing the surrounding tissues. After 2 years' observation, the child is quite well. The deformation of the face, in spite of the large dimensions of the tumour, is scarcely noticeable. Miodonsky - Cracow

WOZOLEWSKI, Erwin; MATULEWICZ, Stanislaw

Therapeutic management in cardiospasm. Otolar. polska 10 no.2:  
121-140 1956.

1. Z Kliniki Chorob Nosu, Gardla i Uszu A.M.G. Kier. prof. dr.  
J. Iwaszkiewicz, i z Zakladu Radiologii A.M.G. Kier. prof. dr.  
W. Grabowski.  
(CARDIOSPASM, therapy  
(Pol))

MOZOLEWSKI, Erwin; RUSZEL, Jan

Surgery of the niche of the fenestra rotunda in tympanoplasty.  
Otolar.polska 13 no.3/4:595-604 '59.

1. Z Klinike Chorob Gardla, Nosa i Uszu A.M.G. Kierownik: prof.  
dr J. Iwaszkiewicz.  
(OTITIS MEDIA surg.)

MOZOIEWSKI, Erwin; RUSZEL, Jan

Our experience with tympanoplasty. II. Otolaryng. Pol., 1962;  
177-182 '64.

IWASZKIEWICZ, Jaroslaw; MOZOLEWSKI, Erwin; ZDROJEWSKI, Jerzy; ZYGMUNTOWICZ,  
Zofia

Our procedure in chemicalburns and consecutive esophageal stenosis  
in children. Otolar.polska 14 no.3:321-328 '60.

1. Z Kliniki Otolaryngologicznej A.M. w Gdansku, Kierownik: prof.  
dr J.Iwaszkiewicz i z Zakladu Radiologii A.M. w Gdansku, Kierow-  
nik: prof. dr W. Grabowski.  
(ESOPHAGEAL STENOSIS in inf & child)

MOZOLEWSKI, Erwin; REMLEIN, Grazyna

Effect of some physical factors on the degree of caloric reactions.  
Otolaryng. Pol. 16 no.1:41-49 '62.

l. Z Kliniki Otolaryngologicznej AM w Gdansku Kierownik: prof. dr  
J. Iwaszkiewicz.  
(LABYRINTH physiol)

MOZOLEWSKI, Erwin; HERVY, Tatiana; PRZYMANOWSKI, Zbigniew; ZYGMUNTOWICZ,  
Zofia

Cortisone in the treatment of esophageal burns. Experimental studies.  
Otolaryngologia polska 16 no.2:337-352 '62.

l. Z Kliniki Otolaryngologicznej AM w Gdansku Kierownik: prof. dr  
J. Iwaszkiewicz.  
(ESOPHAGEAL STENOSIS exper) (CORTISONE exper)

MOZOLEWSKI, Erwin; RUSZEL, Jan

Tympanoplastie operations in children. Otolaryng. pol. 17  
no.4:388-389 '63.

1. Z Kliniki Otolaryngologicznej AM w Gdansku. Kierownik:  
prof. dr. J.Iwaszkiewicz.

\*

MOZOLEWSKI, Erwin; RUSZEL, Jan

Our experience with and results of tympanoplasty. I. Otolaryng.  
Pol. 18 no.1:71-77 '64.

I. Z Kliniki Otolaryngologicznej Akademii Medycznej w Giassku  
(Kierownik: prof. dr med. J. Iwaszkiewicz).

MOZOLEWSKI, Erwin; PRZYMOWSKI, Zbigniew; HERVY, Tatiana; ZYGMUNTOWICZ, Zofia.

Corticoids in the treatment of acute esophageal burns. Clinical observations. Otolaryng. Pol. 18 no. 4:479-485 '64

1. Z Kliniki Otolaryngologicznej Akademii Medycznej w Gdansk. (Kierownik: prof. dr. med. J. Iwaszkiewicz).

HERVY, Tatiana; MOZOLEWSKI, Erwin; PRZYMANOWSKI, Zbigniew; ZAWISTOWSKI, Stanislaw; ZEGARSKA, Zofia; ZYGMUNTOWICZ, Zofia.

Antibiotics and corticoids in the treatment of acute esophageal burns. Pol. tyg. lek. 20 no.5:163-166 1 F'65.

1. z Kliniki Otolaryngologicznej Akademii Medycznej w Gdansku (prof. dr. med. J. Iwaszkiewicz) i z Zakladu Histologii i Embriologii Akademii Medycznej w Gdansku (kierownik: prof. dr. med. St. Hiller).

MOZOLIN, Viktor Pavlovich; KONDRAVKOV, N.N., red.; GEORGIYeva, G.I.,  
tekhn.red.

[Rights of inventors and efficiency promoters] Prava izobre-  
tatelei i ratsionalizatorov v SSSR. Moskva, Izd-vo Mosk.univ..  
1959. 90 p. (MIRA 13:6)

(Inventions)

MOZOLIN, Viktor Pavlovich; RYGALIN, A.G., red.; TIMOFEEVA, N.V., tekhn.  
red.

[How to apply for efficiency suggestion certificates] Kak оформляет-  
ся авторство на рационализаторское предложение. Moskva, Gos. izd-  
vo iurod. lit-ry, 1961. 38 p. (Юридические консультации для на-  
селения в вопросах и ответах, no.14) (MIRA 14:7)  
(Patent laws and legislation)

11020118, 1.1

NAZAROV, I.N. [deceased]; KUGATOVA, G.P.; MOZOLIS, V.V.

Geometric isomerizm <sup>3</sup>-hexahydrotoluyl aldehyde. Zhur. ob. khim.  
27 no.10:2635-2644 0 '57. (MIRA 11:4)

1.Institut khimi i khimicheskoy tekhnologii Akademii nauk  
Litovskoy SSR.

(Isomerizm) (Aldehydes)

VILNIUS, 1960. Druk. Muz. Št. — (Vilnius State University Press)

On "Vilnaliukas" by V. Kapsukas. (Original title: "Vilnaliukas")

**Vilnius, 1960, 14 pp, 250 cop. (Vilnius State U im V. Kapsukas)**

(KL, 45-60, 123)

81860

S/020/60/133/02/32/068  
B016/B060

5.3400

AUTHORS: Kugatova, G. P., Laumyanskas, G. A., Krasil'nikova, G. K.,  
Mozolis, V. V., Kal'velite, V. I.TITLE: Synthesis and Conversions of Monocyclic Secondary  
Acetylene AlcoholsPERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 133, No. 2,  
pp. 367-369

TEXT: The authors studied secondary acetylene alcohols of the types I-VII, which are synthesized from acetylene and from  $\Delta^3$ -cyclohexene aldehydes VIII-XV. The latter can be readily produced by condensation of easily available dienes and dienophiles. Such alcohols are used by the authors for the synthesis of cyclo-aliphatic polyene systems as resemble natural substances in their structure. The latter process is brought about by the hydration of the acetylene bond in the alcohols investigated. The next step is the conversion to ketols and tertiary acetylene glycols, or secondary acetylene alcohols are isomerized to

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Card 1/3

81860

Synthesis and Conversions of Monocyclic  
Secondary Acetylene Alcohols

S/020/60/133/02/32/068  
B016/B060

$\alpha,\beta$ -unsaturated aldehydes and -ketones, and subsequently, a polyene side chain is added (see Scheme). The reactivity of acetylene alcohols had to be systematically studied, since there were no data available on the alcohols of the series selected by the authors. In this connection they succeeded in following up the influence of structural factors upon the properties of these very alcohols as well as of the intermediate compounds formed in the later structural stages of the complex cyclo-polyene systems

Alcohols I-VII were synthesized from the  $\Delta^3$ -cyclohexene aldehydes XIII-XIV in the presence of sodium in liquid ammonia at -40 to -70°C. The initial aldehydes VIII-XV were produced by the diene condensation of acrolein, of crotonaldehyde and cinnamaldehyde with butadiene piperylene, 2-methyl butadiene, and 1-phenyl butadiene. The condensation took place at 160-200°C in the presence of hydroquinone in a metallic ampul. The yields of secondary monocyclic acetylene alcohols amount to at most 30-60% and are largely dependent on the structure of the aldehyde used. However, no such influence is observed as would arise from the character or from the position of the substituents in the hydrogenated analogs of  $\Delta^3$ -cyclohexane aldehydes. They all form secondary acetylene alcohols very readily

44

Card 2/3

81860

Synthesis and Conversions of Monocyclic Secondary Acetylene Alcohols

S/020/60/133/02/32/068  
B016/B060

and with a high yield. Next, the authors describe the conditions of hydrogenation and hydration of primary and secondary (I-VII) acetylene alcohols, and specify the resulting products. Finally, the dehydration of saturated alcohols XXIII-XXVII and XXIX converted to ethylene hydrocarbons XXXVII-XLII is discussed. The dehydration of secondary acetylene alcohols proceeds in another direction under equal conditions: alcohols XVI, XVII, XX, and XXII form ethers XLIII-XLVI in a good yield. Table 1 supplies the results obtained from the above reactions. There are 1 table and 6 references: 3 Soviet, 1 American, and 1 French.

ASSOCIATION: Institut khimii i khimicheskoy tekhnologii Akademii nauk LitSSR (Institute of Chemistry and Chemical Technology of the Academy of Sciences Litovskaya SSR)

PRESENTED: February 29, 1960, by M. I. Kabachnik, Academician

SUBMITTED: February 26, 1960

Card 3/3

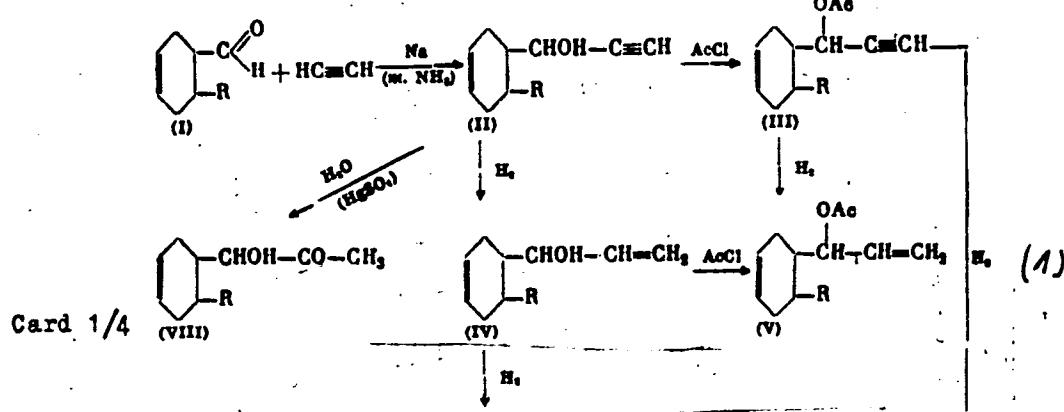
S/079/61/031/002/015/019  
B118/B208

AUTHORS: Kugatova, G. P., Mozolis, V. V., and Alaune, Z. B.

TITLE: Secondary acetylene alcohols of the  $\Delta^3$ -cyclohexene series, and some of their conversions

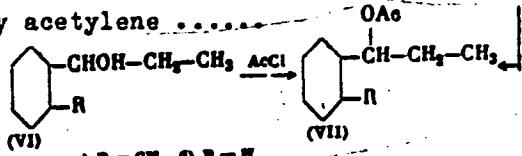
PERIODICAL: Zhurnal obshchey khimii, v. 31, no. 2, 1961, 604-610

TEXT: Secondary acetylene alcohols were obtained in good yields by condensation of sodium acetylenide with  $\Delta^3$ -cyclohexenals (I) in liquid ammonia.



S/079/61/031/002/015/019  
B118/B208

Secondary acetylene .....



a) R = CH<sub>3</sub>, b) R = H.

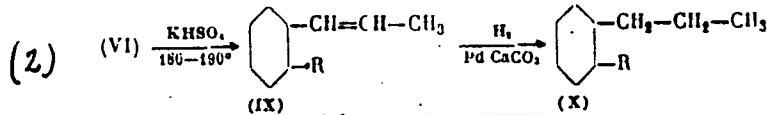
In addition to the corresponding acetylene alcohols (II), always a nitrogen-containing product results in this reaction whose quantity may be reduced by adding large quantities of liquid ammonia, and by using dimethoxy methane as solvent for the aldehyde. The structures of the products synthesized were confirmed by their infrared spectra in the range 900-4000 cm<sup>-1</sup>, as well as by their properties and conversions. Acetylene alcohols (II) are easily hydrogenated to the corresponding saturated alcohols (VI) with the palladium catalyst; by hydrogenation with one mole of hydrogen, diene alcohols (IV) are formed. The precise selective hydrogenation of the initial acetylene alcohol (II), and the infrared spectrum of the resultant diene alcohol (IV) (absence of absorption bands of the stretching vibrations C=C and =O-H, appearance of a new band at 1625 cm<sup>-1</sup> characteristic of the C = C bond) indicate the presence of a double bond in the side chain of the latter. Hydration of secondary acetylene alcohols (II) according to Kucherov usually gives the corresponding ketols (VIII) in sufficiently

Card 2/4

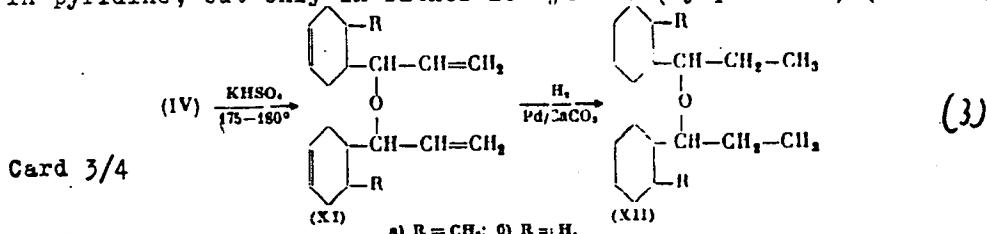
S/079/61/031/002/015/019  
B118/B208

## Secondary acetylene .....

high yields. Dehydration with bisulfite usually takes place only with saturated alcohols (VI) (see Scheme 2)



Heating them to 180-190°C gave the unsaturated hydrocarbons (IX). Dehydration of the diene alcohols (IV) with potassium bisulfite at 175-180°C yielded the unsaturated ethers (XI) which absorbed 4 moles H<sub>2</sub> on hydrogenation (Pd/CaCO<sub>3</sub>), and gave the saturated ethers (XII). Acetylene alcohols (II) cannot be dehydrated under these conditions. Dehydration of acetylene (II) and diene alcohols (IV) was possible only with phosphorus oxychloride in pyridine, but only in rather low yields (by-products) (Scheme 3)



Secondary acetylene .....

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B118/B208

Dehydration of acetylene alcohols mainly occurs in one direction without isomerization of multiple bonds. The principal products are compounds (XIII) whose structure was confirmed by spectrum analysis. Dehydration of diene alcohols (IV) takes place in a similar manner, without isomerization. Compound (XIV) is obtained as the principal product. The resultant unsaturated hydrocarbons (XIII) were selectively hydrogenated to hydrocarbons (XIV) (by means of Pd/CaCO<sub>3</sub>), which gave the saturated hydrocarbons (X) on exhaustive hydrogenation (Table). There are 1 figure, 1 table, and 4 references: 4 Soviet-bloc and 4 non-Soviet-bloc.

SUBMITTED: October 16, 1959

Card 4/4

ALAUNE, Z.B.; MOKLIS, V.V.

Dehydration products of  $\beta$ -keto alcohols. Trudy Akad. Nauk.  
Ser. B no. 119-116, 1961.

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

KUGATOVA-SHEMYAKINA, G.P.; LAUMYANSKAS, G.A.; KRASIL'NIKOVA, G.K.;  
MOZOLIS, V.V.; KAYKARIS, P.A.; POSHKENE, R.A.

Ethynylation of ionone analogs. Zhur.ob.khim. 32 r.o.8:2455-2461  
Ag '62. (MIRA 15:9)  
(Ionone) (Ethynylation)

AT CIR. 1030, 10 MAY, 1968.

1. The pilot of the airplane commands a Party in the SSR. Ser.  
B no. 1030-1050  
(MIRA 17:10)

2. Preparation of technical methyl alcohols of the cyclohexane  
series. (Bno. 1030)

3. Institutes K. and N. M. V. M. Mitovskoy tekhnologii in Mitovskoy SSR.

KOZOLIS, V.V.

Secondary and tertiary acetylenic alcohols of the cycloaliphatic series in Mannich reaction. Trudy Ak. Lit. SSR. Ser. 3. no. 4:  
35-40 '65 (MFA 10:2)

1. Institut khimii i khimicheskoy tekhnologii A' Litovskoy SSR.  
Submitted April 15, 1965.

L 61933-65

ACCESSION NR: AP5019081

UR/0286/65/000/012/0104/0105

2/  
BAUTHORS: Filippov, V. M.; Mozol'kov, A. S.

TITLE: A thermoanemometer head. Class 42, No. 172140

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 104-105

TOPIC TAGS: anemometer, filament, turbulent flow, velocity measurement *(M)*

ABSTRACT: This Author Certificate presents the head of a thermoanemometer. The head contains four filaments fixed on supports (see Fig. 1 on the Enclosure). To measure the three velocity components of a turbulent flow with one head, the filaments are placed along the edges of a regular square pyramid, and each two opposite filaments are electrically connected to one another. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 18May64

ENCL: 01

SUB CODE: ME

NO REF Sov: 000

OTHER: 000

Card 1/2

L-61933-65

ACCESSION NR: AP5019081

ENCLOSURE: 01

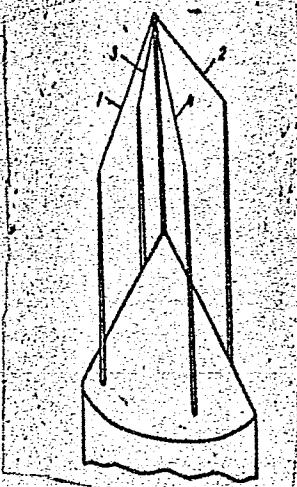


Fig. 1.  
1-4- filaments of the head

Card 2/2

MOZOL'KOV, V.S., inzhener.

Rubble and gravel used in building. Standardizatsiya no. 4:59-61  
Je-Ag '57. (MIRA 10)

1. Gosstroy SSSR.  
(Gravel--Standards)

MOZOL'KOV, V.S.

New standard for technical specifications for radiators. Vod. i san  
tekh. no.6:24 Je '58. (MTRA 11:5)  
(Radiators--Standards)

S.  
MOZOL'KOV, V., inzh.

New standard for wooden doors for dwellings and public buildings.  
Zhivilstroy. no. 7:25-26 '58. (MIRA 12:6)  
(Doors--Standards)

KORZHUYEV,D.A.; NOSKOVA,A.V.; USPENSKIY,Ye.M.; MOZOL'KOVA,D.A.

Long storage of potatoes using chemical compounds. Trudy VNIISP  
no.4:160-179 '54.  
(Potatoes--Storage) (Growth inhibiting substances)

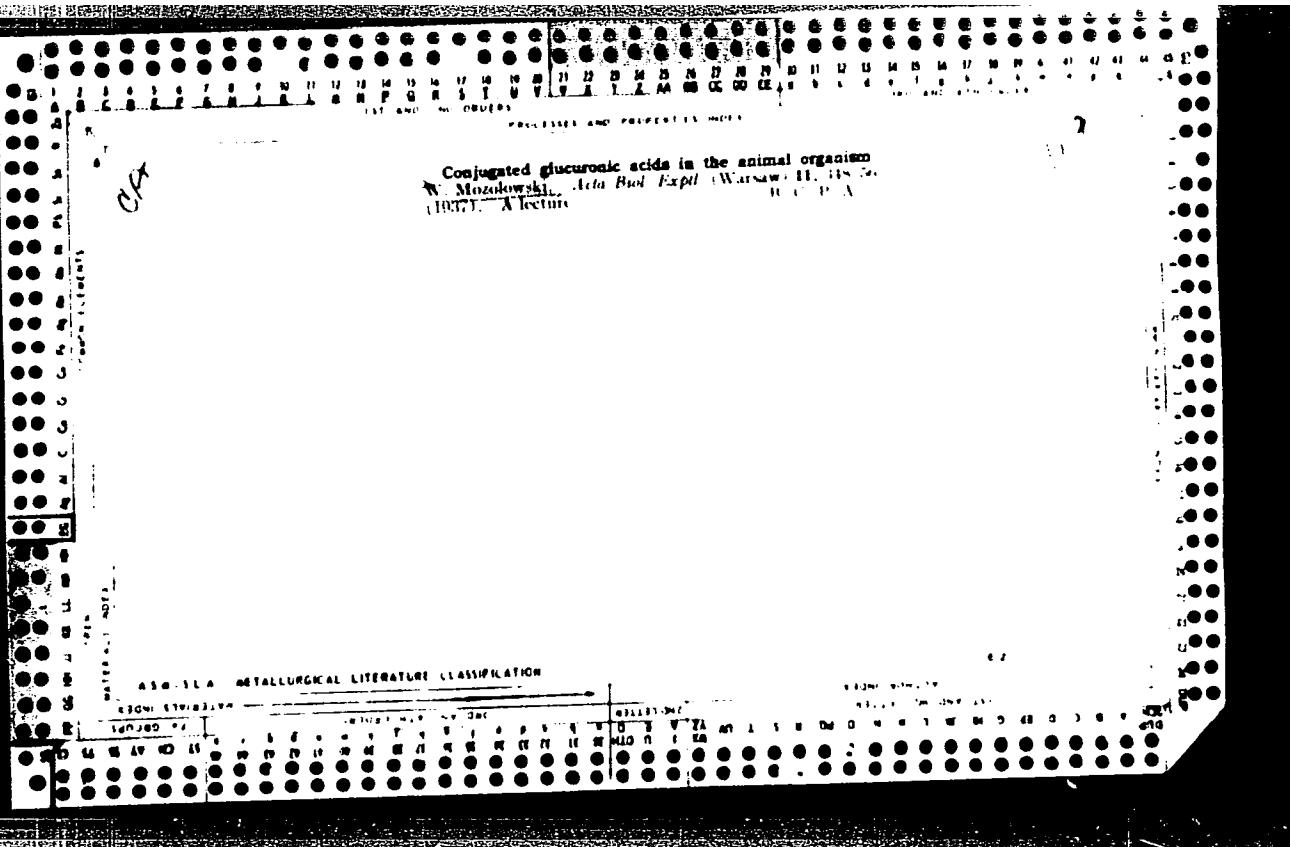
MOZOLOWSKI, A.

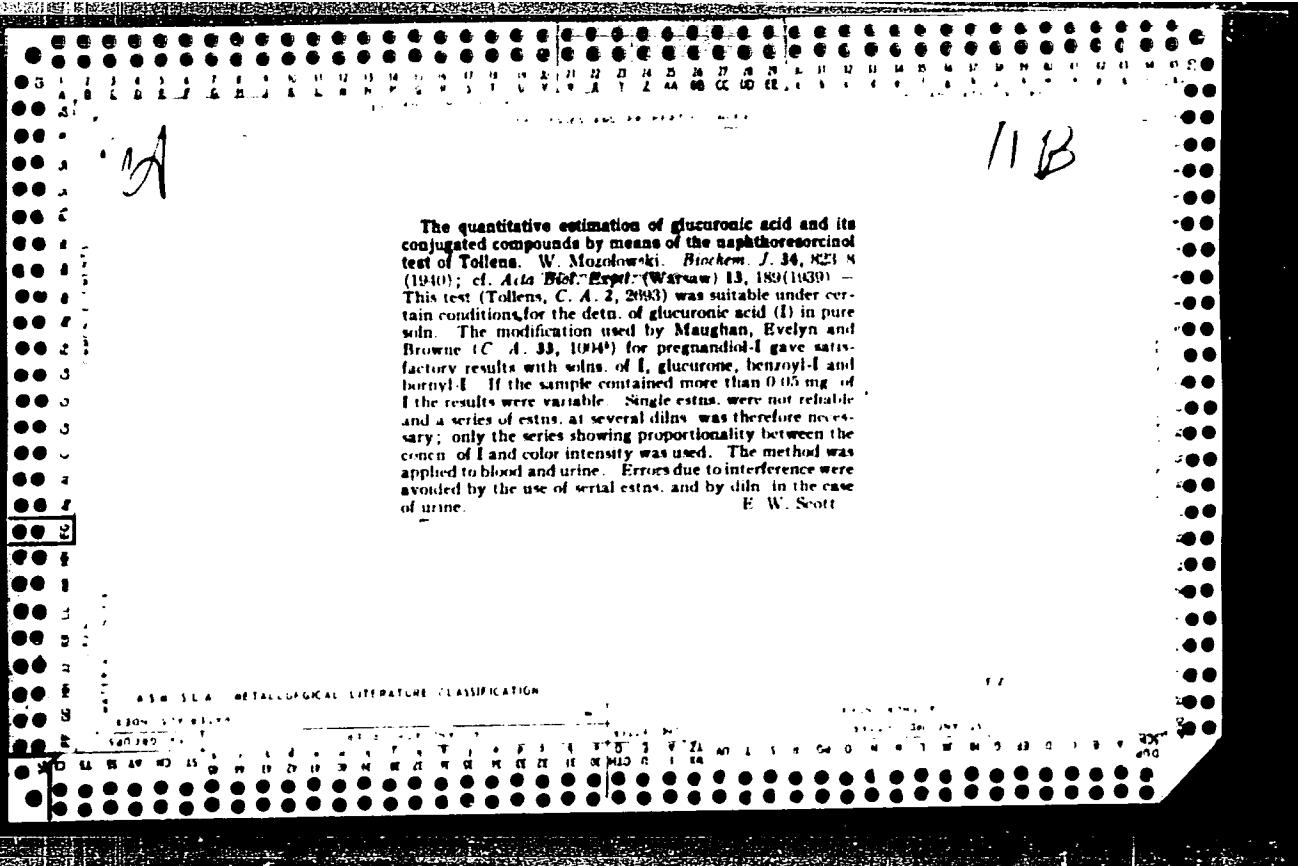
Unit packing in the meat industry of the United States. p.39

GOSPODARKA MIESNA. (Polskie Wydawnictwa Gospodarcze) Warszawa, Poland  
Vol. 11, no. 7/8, July/Aug. 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no.1, Jan. 1960

Uncl.





MOZOLOWSKI, W.; ZYDOWO, M.; KALINOWSKI, J.; MOSCZCZYNSKA, Z.

A characterization of the blood-serum in the newborn child, in the parturient woman, and in the healthy non-pregnant woman, by means of refraction, viscosity and specific gravity. Bull. internat. Acad. polon. sc. Classe med no.1-10:65-78 Jan-Dec 50. (CLML 20:8)

MOZOLOWSKI, W.

~~Scientific activities of Ernest Aleksander Sym. Polski tygod. lek.  
5 no.47-48:1633-1635 27 Nov 50.~~  
(CLML 20:6)

MOZOLOWSKI, WLODZIMIERZ

Poland

CA:47:11441

Akad. Med., Gdansk, Poland.

"A general view of the intermediary metabolism of living organisms."

Wiadomosci Chem. 7, 9-22 (1953)

MOZOLOWSKI, W.

"A general view on the indirect change of living organisms; based on the scheme of glycolysis and the cricarboxylic acid cycle" p. 9 (Wladomosci chemiczne, Vol. 7, No. 1, Jan. 1953, Wroclaw)

SO: Monthly List of Russian Accessions, Library of Congress, Vol. 3, No. 3  
March 4, 1953, Uncl.

Mozolowski, Wladzimirz

POL.

✓ Nitrogen content and some physical properties of serum proteins. Włodzimierz Mozolowski (Akad. Med. Dziecięc., Poland). *Akt. Nauk. Polon.* 1, 50-71 (1954).—Equations are proposed which relate the phys. properties of serum protein, N content,  $\eta$  at 30°, sp. gr., viscosity, and are based on the assumption that all these properties are const. for all solids, of nonprotein components of healthy human sera.

I. Z. Roberto

MOZOLOWSKI, Włodzimierz

Concept of a norm and numerical interpretation of results in  
clinical biochemistry. Postępy biochem. Vol.2: 8-20 1954.

(BIOCHEMISTRY,

concept of norm & numerical interpretation of  
results in clin.biochem.)

MOZOLEWSKI, W.

W. MOZOLEWSKI, "Formation of ascorbic acid in living organisms."  
No. 3, March 1955, pp. 129-134, Chemical News (Poland).

POLAND / Human and Animal Physiology. Blood.

T

Abs Jour: Ref Zhur-Biol., No 9, 1958, 41133.

Author : Mozolovski, W.

Inst : Not Given.

Title : Qualitative Evaluation of Blood Serum Proteins with  
the Aid of Some of their Physical Properties.

Orig Pub: Polskie arch. med. wewnetr 1955, 24, Nla. 201-203.

**Abstract:** Blood sera of 50 healthy men were analyzed. The obtained data concerning the coefficient of light refraction, the specific gravity and viscosity of the sera. This correlation permits the examination of the nonnitrogen portion of the colloids and gives an idea about the degree of asymmetry of the protein molecules. -- F. V. Gorodinskiy.

Card 1/1

37

MOZOLOWSKI, Włodzimierz

Qualitative evaluation of serum proteins on the basis of certain physical characteristics. Polskie arch. med. wewn. 25 no.1a:201-203 1955.

1. Z zakladu chemii fiziol. A.M. w Gdansku; kier. prof. dr. med. W.Mozolowski.

(BLOOD PROTEINS, determination  
qualitative evaluation in relation to protein nitrogen)  
(NITROGEN, determination  
in blood proteins, qualitative evaluation)

MOZOLOWSKI, WŁODZIMIERZ.

Cwiczenia z chemii fizjologicznej; skrypt dla studentow wydzialu lekarskiego (Napisali)  
W. Mozolowski i M.Zydowo. Wyd 2.  
Poland  
Warszawa/ Panstwowy Zaklad Wydawn. Lekarskich, 1956. 171 p.

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, No. 6, June 1959  
Uncl.

MOZOŁOWSKI, WŁODZIMIERZ

14  
8  
0

*Chem.* ✓ Pentose cycle in the conversion of carbohydrates. Włodzimierz Mozołowski (Akad. med., Gdańsk, Poland). *Wiz. 2005*

*notici Chem.* 10, 369-93 (1966). — A review with 18 references.  
Adam Sporzyński

PM  
BKT

MOZOLOWSKI, Włodzimierz

Physiological principles of water-mineral balance as the basis for  
their studies in operated patients. Polski przegl. chir. 28 no.8:  
797-807 Aug 56.

1. Z Zakladu Chemii Fizjologicznej A.M. w Gdansku. Gdańsk 6, ul.  
Hoene-Wronskiego 12 m. 2.  
(SURGERY, OPERATIVE,  
postop. water-electrolyte balance, physiol. aspects (Pol))  
(BODY FLUIDS,  
water-electrolyte balance, postop., physiol. aspects (Pol))

HELLER, J., MOZOLOWSKI, Wl.

Jakub Karol Parnas; education activity during 1916-1939. Postgr<sup>y</sup>  
biochem. 4 no.1:5-65 1958  
(BIOGRAPHIES,

Parnas, Jakub K., biobibliog. (Pol)

MOZOŁOWSKI, Włodzimierz (Gdansk, ul. Hoene-Wronskiego 12.)

Biochemical individuality & protein structure. Polski tygod. lek.  
14 no.14:609-612 6 Apr 59.  
(PROTEINS,  
structure, biochem. specificity (Pol))

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135510010-4

MOZOŁOWSKI, Włodzimierz

Biochemistry and medicine. Postepy biochem 7 no.2:199-205 '61.

(BIOCHEMISTRY)

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135510010-4"

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135510010-4

MOZOLOWSKI, Wladzimierz

Boleslaw Skarzynski, 1901-1963. Nauka polska 11 no.4:187-188  
Jl-Ag '63.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135510010-4"

LODOCHNIKOV, E.A., inzh.; BULIN-SOKOLOV, I.V., inzh.; MOZOLYAKO, L.A., inzh.;  
SHEMINOV, V.G., inzh.

D.c. micromotors with static speed control. Elektrotekhnika  
36 no.11:24-26 N '65.  
(MIRA 18:11)

L 23666-66 EWT(1)

ACC NR: AP6015277

SOURCE CODE: UR/0292/65/000/011/0024/0026

AUTHOR: Iodochnikov, E. A. (Engineer); Bulin-Sokolov, I. V. (Engineer);  
Mozolyako, L. A. (Engineer); Sheminov, V. G. (Engineer)

• 52

50

B

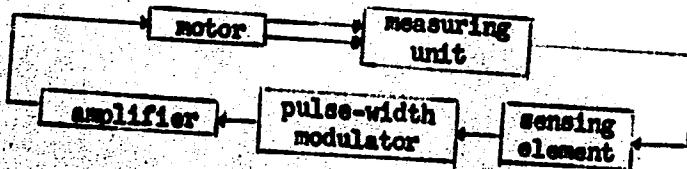
ORG: none

TITLE: Miniature D-C motors with static speed regulators

SOURCE: Elektrotehnika, no. 11, 1965, 24-26

TOPIC TAGS: electric motor, direct current miniature electric equipment, frequency discriminator

ABSTRACT: The authors describe the RS-3 free-running static speed regulator used with miniature d-c motors of the DPR-N6 series. The regulator affects the voltage in the armature windings of the motor to control the speed. A schematic diagram of the device is given. A block diagram illustrating the operating principle of the automatic control system is shown below:



A d-c speed-voltage generator is rigidly fastened to the shaft of the motor  
Card 1/2

UDC: 621.313.13-181.4

L 23666-66

ACC NR. AP6015277

as a measuring unit. The functions of the sensing element and the pulse-width modulator are combined in a tuned phase-frequency discriminator. The amplifier is a three-stage transistorized unit with collector feedback. The operation of the circuit is explained in detail. A curve is given showing accuracy of speed stabilization for d-c motors with power up to 6 watts at speeds from 3000 to 6000 rpm with variations in supply voltage by +20% of the rated value, loads from zero to the rated value, and +50°C variations in ambient temperature. The RS-3 speed regulator can be used as a general purpose unit for electric motors with various power ratings and various nominal speeds. Orig. art. has: 5 figures, 9 formulas, and 1 table. [JPRS] 2

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002

Card 2/2 ✓

KERKOV, A. A., KOST, A. F.

Parasites - Ruminantia

*Ascaris ovis*, an independent species of ascarids of small ruminants. Trudy Sel. lab. no. 5, 1951.

Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified.

MOZRZYMAS, J.; RZEWUSKI, J.

Second order invariant differential equation in the spinor space.  
Bul Ac Pol mat 9 no.3:225-228 '61.

1. Institute of Theoretical Physics, University, Wroclaw, and  
Institute of Physics, Wroclaw Branch, Polish Academy of Sciences.  
Presented by L. Infeld.